

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
10 May 2002 (10.05.2002)

PCT

(10) International Publication Number  
**WO 02/037241 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 19/00**

(21) International Application Number: **PCT/GB01/04836**

(22) International Filing Date:  
1 November 2001 (01.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
00309635.1 1 November 2000 (01.11.2000) EP  
0122249.6 14 September 2001 (14.09.2001) GB

(71) Applicant (for all designated States except US): **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **YATES, Martin, John** [GB/GB]; Sidehill, Spring Meadow, Playford, Ipswich, Suffolk IP6 9ED (GB). **THOMPSON, Stephen,**

**Michael** [GB/GB]; 7 Borrett Place, Martlesham, Woodbridge, Suffolk IP12 4TU (GB). **EDWARDS, Nicholas, Hector** [GB/GB]; 85 Leopold Road, Ipswich, Suffolk IP4 4RN (GB). **GIFFORD, Maurice, Merrick** [GB/GB]; 22 St. Agnes Way, Kcsgrave, Ipswich, Suffolk IP5 1JZ (GB). **MCCARTNEY, David, John** [GB/GB]; 5 South Close, Ipswich, Suffolk IP4 2TH (GB).

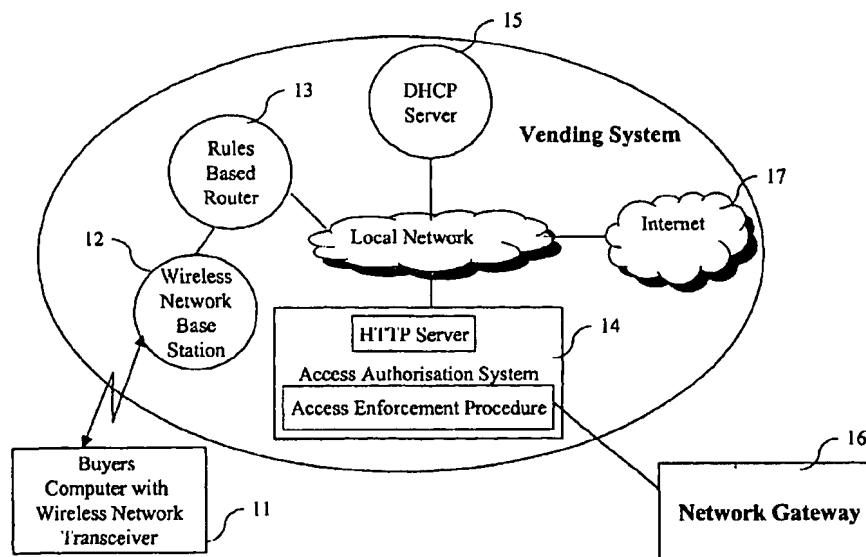
(74) Agent: **BRADLEY, David, William**; BT Group Legal Services, Intellectual Property Department, 8th Floor, Holborn Centre, 120 Holborn, London EC1N 2TE (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(54) Title: TRANSACTION AUTHENTICATION



(57) Abstract: In a payment validation system, a mobile phone or other communications terminal associated with a particular user is used. A vending node communicates with a validation platform which either returns a telephone number to be displayed for the user to call or which calls the alleged users phone or terminal for confirmation.

WO 02/037241 A3



IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:  
18 September 2003

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

Internal application No

PCT/GB 01/04836

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G07F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 34203 A (QUALCOMM INC) 6 August 1998 (1998-08-06)	1,2,5-8
Y	page 6, line 34 -page 7, line 23 page 8, line 1 - line 38; figures 1,2,4	3,4,9
Y	FR 2 792 143 A (SARL SMART DESIGN) 13 October 2000 (2000-10-13) page 10, line 9 -page 11, line 6 figures 1,2	3
Y	EP 0 725 376 A (SONY CORP) 7 August 1996 (1996-08-07) column 8, line 55 -column 9, line 5 -/--	9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*8\* document member of the same patent family

Date of the actual completion of the international search

22 April 2003

Date of mailing of the International search report

13/05/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Paraf, E

## INTERNATIONAL SEARCH REPORT

Internat. Application No.  
PCT/GB 01/04836

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 33034 A (GLOBAL MOBILITY SYSTEMS INC) 1 July 1999 (1999-07-01)	4
A	page 7, line 1 - line 8 page 14, line 14 - line 23 figures 1,4	1-3
A	EP 0 745 961 A (AT & T CORP) 4 December 1996 (1996-12-04) column 3, line 22 - line 43 column 8, line 7 - line 28 column 11, line 31 -column 12, line 53 figures 3,7	1,2

## INTERNATIONAL SEARCH REPORT

Internat. Application No.

PCT/GB 01/04836

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9834203	A	06-08-1998	AU 5963898 A WO 9834203 A1	25-08-1998 06-08-1998
FR 2792143	A	13-10-2000	FR 2792143 A1 AU 4300500 A EP 1171851 A1 WO 0062262 A1	13-10-2000 14-11-2000 16-01-2002 19-10-2000
EP 0725376	A	07-08-1996	JP 8214281 A EP 0725376 A2 US 5845260 A	20-08-1996 07-08-1996 01-12-1998
WO 9933034	A	01-07-1999	AU 2087099 A BR 9814407 A CA 2316389 A1 EP 1046144 A1 JP 2001527254 T WO 9933034 A1	12-07-1999 23-07-2002 01-07-1999 25-10-2000 25-12-2001 01-07-1999
EP 0745961	A	04-12-1996	US 5708422 A CA 2176163 A1 DE 69617097 D1 DE 69617097 T2 EP 0745961 A2 JP 8339407 A	13-01-1998 01-12-1996 03-01-2002 20-06-2002 04-12-1996 24-12-1996